

$\text{HL}[\mathcal{E}_] := \text{Style}[\mathcal{E}, \text{Background} \rightarrow \text{If}[\text{TrueQ}@\mathcal{E}, \blacksquare, \blacksquare]];$

$\left\{ \rho_y = \begin{pmatrix} 0 & 0 \\ \epsilon & 0 \end{pmatrix}, \rho_b = \begin{pmatrix} 0 & 0 \\ 0 & -\epsilon \end{pmatrix}, \rho_a = \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix}, \rho_x = \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix} \right\};$

$\text{HL} /@ \{ \rho_a \cdot \rho_x - \rho_x \cdot \rho_a == \rho_x, \rho_a \cdot \rho_y - \rho_y \cdot \rho_a == -\rho_y,$

$\rho_b \cdot \rho_y - \rho_y \cdot \rho_b == -\epsilon \rho_y, \rho_b \cdot \rho_x - \rho_x \cdot \rho_b == \epsilon \rho_x,$

$\rho_x \cdot \rho_y - \rho_y \cdot \rho_x == \rho_b + \epsilon \rho_a \}$